BRUHAT BANGALORE MAHANAGARA PALIKE

KODIGEHALLI SUBDIVISION

WARD NO.07, Byatarayanapura

Name of work: Improvements to drains of 5th cross road of pampa extension to 13th cross road of pampa extension in ward no.07, Byatarayanapura

Est Cost : 99.90 LAKHS

Name of Work:- Improvements to drains of 5th cross road of pampa extension to 13th cross road of pampa extension in ward no.07, Byatarayanapura									
			Estimate Cost:					99.90 Lakhs	
S.N	DESCRIPTION OF WOR	Unit	N	L	B	D	QTY	RATE	AMOUNT
1	2	3	4	5	6	7	8	9	10
1	Removing and refixing stone slabs of drains and pointing in CM(1:3), Pg No.27, Item								
	Covering slab								
	13th cross		2	53.00	0.75		79.50		
	12th cross		2	155.00	0.75		232.50		
	9th cross 'a' road		2	27.00	0.75		40.50		
	7th cross		2	50.00	0.75		75.00		
	6th cross		2	45.00	0.75		67.50		
	5th cross		2	180.00	0.75		270.00		
	4th cross		2	66.00	0.75		99.00		
	4th main cross		2	63.00	0.75		94.50		
	3rd cross		2	25.00	0.75		37.50		
	2nd cross		2	31.00	0.75		46.50		
	1st cross		2	40.00	0.75		60.00		
	amruthnagara C sector								
	2nd cross		2	100.00	0.75		150.00		
	3rd cross		2	50.00	0.75		75.00		
	4th cross		2	245.00	0.75		367.50		
					TOTAL		1695.00		
	Deduct 25% damage						423.75		
					TOTAL		1271.25		
	Bs slab drain								
	13th cross		2	53.00	1.35		143.10		
	12th cross		2	155.00	1.35		418.50		
	9th cross 'a' road		2	27.00	1.35		72.90		
	7th cross		2	50.00	1.35		135.00		
	6th cross		2	45.00	1.35		121.50		
	5th cross		2	180.00	1.35		486.00		
	4th cross		2	66.00	1.35		178.20		
	4th main cross		2	63.00	1.35		170.10		
	3rd cross		2	25.00	1.35		67.50		
	2nd cross		2	31.00	1.35		83.70		
	1st cross		2	40.00	1.35		108.00		
	amruthnagara C sector								
	2nd cross		2	100.00	1.35		270.00		
	3rd cross		2	50.00	0.75		75.00		
	4th cross		2	245.00	1.35		661.50		
					TOTAL		2991.00		

	only damage portion(35%)						**1046.85**		
					TOTAL		**2318.10**	111.30	258005.00
	Basic Rate:	sqm	**105.00**						
	Area Weightage @ 6%		6.30						
	Total		**111.30**						
2	KSRRB 300-1. Earthwork excavation by manual means in rodinary soil involving an average horizontal throw upto 2 m and an average lift upto 1.5m, excavated surafce levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods complete as per specifications.. Pg No.143.Item No.19.1)								
	Desilting of existing drains								
	13th cross		2	53.00	0.50	0.50	26.50		
	12th cross		2	155.00	0.50	0.50	77.50		
	9th cross 'a' road		2	27.00	0.50	0.50	13.50		
	7th cross		2	50.00	0.50	0.50	25.00		
	6th cross		2	45.00	0.50	0.50	22.50		
	5th cross		2	180.00	0.50	0.50	90.00		
	4th cross		2	66.00	0.50	0.50	33.00		
	4th main cross		2	63.00	0.50	0.50	31.50		
	3rd cross		2	25.00	0.50	0.50	12.50		
	2nd cross		2	31.00	0.50	0.50	15.50		
	1st cross		2	40.00	0.50	0.50	20.00		
	amruthnagara C sector								
	2nd cross		2	100.00	0.50	0.50	50.00		
	3rd cross		2	50.00	0.50	0.50	25.00		
	4th cross		2	245.00	0.50	0.50	122.50		
	For new drains								
	11th cross		1	125.00	0.60	0.60	45.00		
	9th cross		1	95.00	0.60	0.60	34.20		
	8th cross		1	90.00	0.60	0.60	32.40		
	For Pit		34	3.14*0.8*0.8		3.00	51.24		
	(3.14x0.6x0.)/4 x 3.0			4					
					TOTAL		**727.84**	137.80	100297.01
	Basic Rate:	cum	**130.00**						
	Area Weightage @ 6%		7.80						
	Total		**137.80**						
3	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete.7.5 cm thick (Pg No.27, Item No.5.31.1)								
	For BS Slab drain(damage portion vide item no 1)						1046.85		
	For new drains								
	11th cross		1	125.00	1.35		168.75		
	9th cross		1	95.00	1.35		128.25		
	8th cross		1	90.00	1.35		121.50		
					TOTAL		**1465.35**	742.00	1087289.70
	Basic Rate:	cum	700.00						
	Area Weightage @ 6%		42.00						
	Total		742.00						

4	KSRB 5-14.1 : Providing and constructing load bearing wall with solid concrete blocks of size 400x100x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work.(Pg No.27, Item No.5.28)								
	For raising side walls of								
	13th cross		2	53.00	0.10		10.60		
	12th cross		2	155.00	0.10		31.00		
	11th cross		2	125.00	0.10		25.00		
	9th cross		1	95.00	0.10		9.50		
	9th cross 'a' road		2	27.00	0.10		5.40		
	8th cross		1	90.00	0.10		9.00		
	7th cross		2	50.00	0.10		10.00		
	6th cross		2	45.00	0.10		9.00		
	5th cross		2	180.00	0.10		36.00		
	4th cross		2	66.00	0.10		13.20		
	4th main cross		2	63.00	0.10		12.60		
	3rd cross		2	25.00	0.10		5.00		
	2nd cross		2	31.00	0.10		6.20		
	1st cross		2	40.00	0.10		8.00		
	amruthnagara C sector								
	2nd cross		2	100.00	0.10		20.00		
	3rd cross		2	50.00	0.10		10.00		
	4th cross		2	245.00	0.10		49.00		
					TOTAL		**269.50**	859.66	231679.00
	Basic Rate:	Sqm	811.00						
	Area Weightage @ 6%		48.66						
	Total		859.66						
5	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete10cms thick.(Pg No.27, Item No.5.31.2)								
	covering slab						423.75		
	For new drains								
	11th cross		1	125.00	0.75		93.75		
	9th cross		1	95.00	0.75		71.25		
	8th cross		1	90.00	0.75		67.50		
					TOTAL		**656.25**	966.72	634410.00
	Basic Rate:	cum	912.00						
	Area Weightage @ 6%		54.72						
	Total		966.72						

6	KSRB 5-8.1: Providing one line dressing to granite stone slabs/granite stone masonry as per specifications.KBS 5.1.13 (5.17 P-26)								
	13th cross		2	53.00	0.75		79.50		
	12th cross		2	155.00	0.75		232.50		
	11th cross		2	125.00	0.75		187.50		
	9th cross		2	95.00	0.75		142.50		
	9th cross 'a' road		2	27.00	0.75		40.50		
	8th cross		2	90.00	0.75		135.00		
	7th cross		2	50.00	0.75		75.00		
	6th cross		2	45.00	0.75		67.50		
	5th cross		2	180.00	0.75		270.00		
	4th cross		2	66.00	0.75		99.00		
	4th main cross		2	63.00	0.75		94.50		
	3rd cross		2	25.00	0.75		37.50		
	2nd cross		2	31.00	0.75		46.50		
	1st cross		2	40.00	0.75		60.00		
	amruthnagara C sector								
	2nd cross		2	100.00	0.75		150.00		
	3rd cross		2	50.00	0.75		75.00		
	4th cross		2	245.00	0.75		367.50		
					TOTAL		**2160.00**	950.82	2053772.00
	Basic Rate:	cum	897.00						
	Area Weightage @ 6%		53.82						
	Total		950.82						
7	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 of size 450x200x400 mm and finished with CM 1:3 plastering and finishing cutting etc., complete.Pg No. 27, Item No.5.29.1 (150) (450X 150X500)								
	13th cross		2	53.00			106.00		
	12th cross		2	155.00			310.00		
	11th cross		2	125.00			250.00		
	9th cross		2	95.00			190.00		
	9th cross 'a' road		2	27.00			54.00		
	8th cross		2	90.00			180.00		
	7th cross		2	50.00			100.00		
	6th cross		2	45.00			90.00		
	5th cross		2	180.00			360.00		
	4th cross		2	66.00			132.00		
	4th main cross		2	63.00			126.00		
	3rd cross		2	25.00			50.00		
	2nd cross		2	31.00			62.00		
	1st cross		2	40.00			80.00		
	amruthnagara C sector								
	2nd cross		2	100.00			200.00		
	3rd cross		2	50.00			100.00		
	4th cross		2	245.00			490.00	467.00	
							2880.00		
				TOTAL(total length/0.45)			**6400.00**	467.46	2991744.00
	Basic Rate:	Nos	441.00	450.00					
	Area Weightage @ 6%		26.46						
	Total		467.46						

8	Providing and laying in position plain cement concrete of nominal mix 1:3:6 with OPC @220 Kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89 cum and fine aggregates @0.46cum, in foundation mechanically mixed, placed in foundation and comapcted by vibration including curing for 14 days including cost of all materials labour, HOM of machinery, curing, form works, scaffolding and centering complete as per specification . (Pg.No.22, It.27.18)								
	Below kerb								
	13th cross		2	53.00	0.45	0.10	4.77		
	12th cross		2	155.00	0.45	0.10	13.95		
	11th cross		2	125.00	0.45	0.10	11.25		
	9th cross		2	95.00	0.45	0.10	8.55		
	9th cross 'a' road		2	27.00	0.45	0.10	2.43		
	8th cross		2	90.00	0.45	0.10	8.10		
	7th cross		2	50.00	0.45	0.10	4.50		
	6th cross		2	45.00	0.45	0.10	4.05		
	5th cross		2	180.00	0.45	0.10	16.20		
	4th cross		2	66.00	0.45	0.10	5.94		
	4th main cross		2	63.00	0.45	0.10	5.67		
	3rd cross		2	25.00	0.45	0.10	2.25		
	2nd cross		2	31.00	0.45	0.10	2.79		
	1st cross		2	40.00	0.45	0.10	3.60		
	amruthnagara C sector								
	2nd cross		2	100.00	0.45	0.10	9.00		
	3rd cross		2	50.00	0.45	0.10	4.50		
	4th cross		2	245.00	0.45	0.10	22.05		
					TOTAL		**129.60**	5421.90	702679.00
	Basic Rate:	cum	5115.00						
	Area Weightage @ 6%		306.90						
	Total		5421.90						
9	KSRB 5-9.1:Providing and applying ready mix priming coat over ocncrete / masonry, / asbestos cement sheet / plastered surfaces includding preparing the surface after thorougly cleaning of oil, grease, dirt and other foreign matter and sand papering including cost of materials, labour compelte as per specifications. Page No. 124 / Item No. 15.80								
			6400.00		0.45		2880.00		
					TOTAL		**2880.00**	39.22	112954.00
	Basic Rate:	sqm	37.00						
	Area Weightage @ 6%		2.22						
	Total		39.22						
10	Providing and fixing MS Grating 260x260 mm(Page No.1X, Sl No.234, code No.0771)								
	For shoulder drians		460				460.00	84.75	38,985.00
					TOTAL		**460.00**	89.84	41324.10
	Basic Rate:	Nos	84.75						
	Area Weightage @ 6%		5.09						
	Total		89.84						

11	KSRRB M2900-2.1. Laying Reinforced cement concrete pipe NP2 / prestressed concrete pipe for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets complete as per specifications. MORTH Specification No. 2900 B. 1200 mm dia MORTH Specification No. 1000,2300 Page No. 255, Item No. 34.7.8, PWD SR 2018-19								
			34	3.00	--	--	102.00		
					TOTAL		**102.00**	5976.28	**609580.56**
	Basic Rate:	mtr	5638.00						
	Area Weightage @ 6%		338.28						
	Total		5976.28						
12	Providing 100mm and down size nominal size. (Pg No.I.Item No.23)								
	For Pit		34	0.28		1.20	11.48	98762	11,335.58
	(3.14x0.6*0.6)/4	Cum			TOTAL		**11.48**	957.62	**10993.48**
13	Providing 40mm and down size nominal size (Pg No.II.Item No.25)								
	For Pit		34	0.28		0.40	3.84		
	(3.14x0.6*0.6)/4	Cum			TOTAL		**3.84**	1091.43	**4191.09**
14	Providing 20mm and down size nominal size (Pg No.II.Item No.28)								
	For Pit		34	0.28		0.40	3.84		
	(3.14x0.6*0.6)/4	Cum			TOTAL		**3.84**	1091.43	**4191.09**
15	Providing Fine aggrgate 2.36mm nominal size (Pg No.II.Item No.32)								
	For Pit		34	0.28		0.30	2.88		
	(3.14x0.6*0.6)/4	Cum			TOTAL		**2.88**	1054.29	**3036.36**
16	Providing and fixing MS Grating 260x260 mm(Page No.IX, Sl No.234, code							84.75	5763.00
			68					89.84	6108.78
	Basic Rate:	Nos	84.75						
	Area Weightage @ 6%		5.09						
	Total		89.84						

	KSRRB M100-1 Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1:Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1 (Page 136, item No. 17.1)								
					TOTAL		727.84	94.34	68665.00
	Basic Rate	cum	57.00						
	Rs. 2.50 Tonne Km.								
	Average Weight of earth 1.28 Tonne/Km.								
	For 10 Km								
	Rs.2.50X1.28TonneX10K		32.00						
	Total		89.00						
	Add Area Weightage6%		5.34						
			94.34						
18						Sub Total			8919134.17
19						Add 12% GST charges			1070296.10
20						Miscelleneous charges			569.73
21						Total			9990000.00

1)This is certified that the work spot comes under BBMP limits only.
2) The work spot is inspected by me
3) The items Provided in the Estimate are quite Essential
4)The rates are as per CSR of 2018-19 year of PWD Bangalore Circle.

Asst.Engineer
Ward no.7

Asst.Exe.Engineer
Kodigehalli Sub-division
B.B.M.P.

21/10

Executive Engineer
Byatrayanapura Division
B.B.M.P.

21/10

ADMINISTRATIVE APPROVAL

Accorded For Rs. 99.90 Lakhs.

Head of A/c. P-3442

Div. Ref. No. 94 Date. 17/01/20

AE 17/01

EE(BTP) 17/01

... for Rs. 99,90,000/-

... Rupees NINETY NINE LAKHS NINETY THOUSAND ONLY

Under P3442

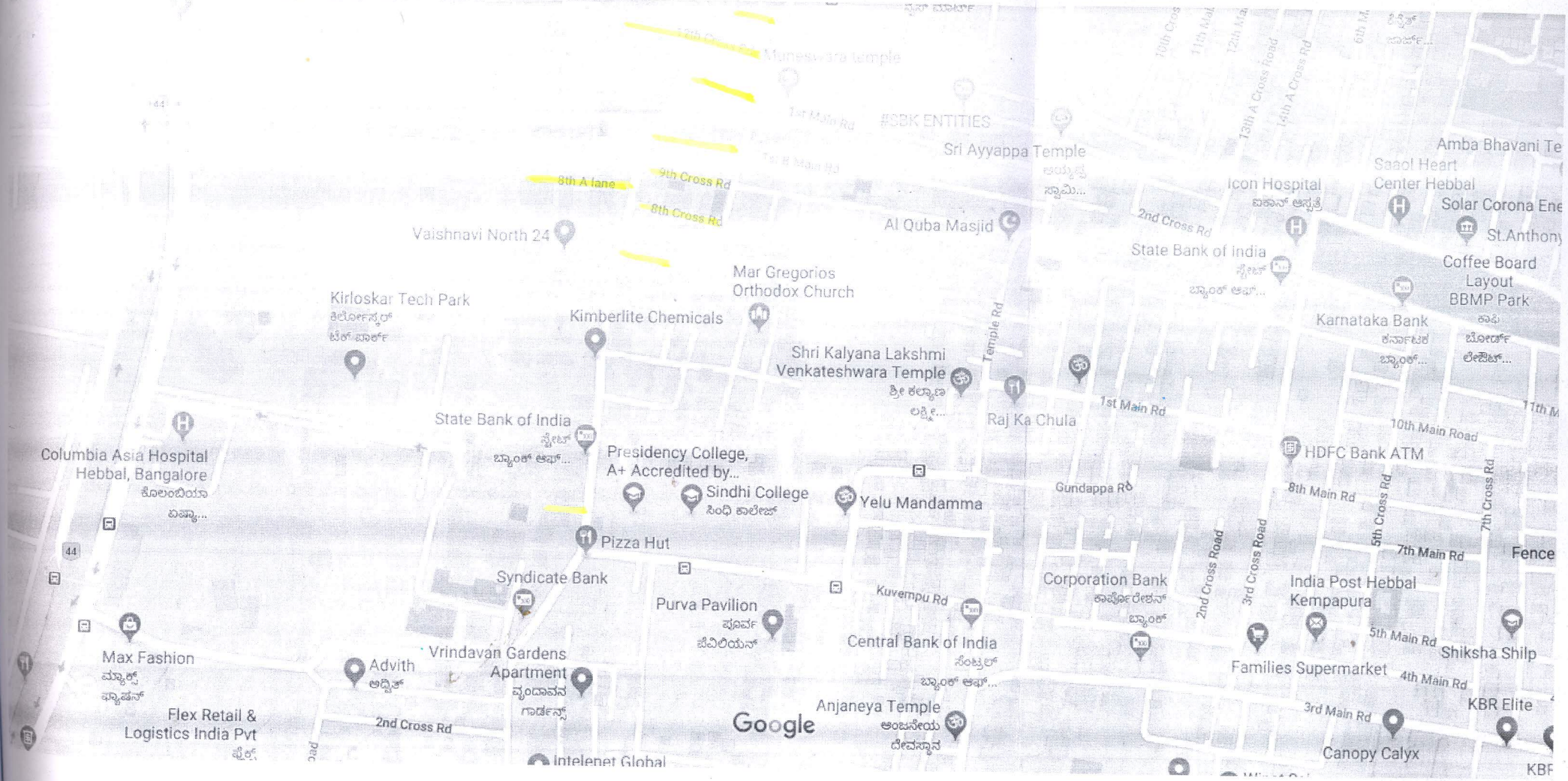
Job Code No. 007-19-00017

Registered as SE(Y)/TS/ 24 /19-20 ... subject to conditions contained in enclosed memo

... 19 .../ 19-20 Dated: 17/01/2020

17/01/2020

Improvements to drains of 5th cross road of pampa extension to 13th cross road of pampa extension in ward no.07, byatarayanapura.



Apply. N.D
AE(Ver)

Assistant Executive Engineer.
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P..
Bangalore.

https://www.google.co.in/maps/dir///@13.0515967,77.5993274,17z?hl=en